

THE BOTANICAL MAGAZINE TOKYO

VOL. 89 (1976)

Numbers 1013-1016, Pages 1-319

EDITORIAL BOARD

YOSHIHIKO FUJITA, Editor-in-Chief,
*Ocean Research Institute,
University of Tokyo, Nakano-ku,
Tokyo 164*

HIROYOSHI OHASHI, Editor,
*Botanical Gardens,
University of Tokyo, Hakusan,
Bunkyo-ku, Tokyo 112*

HIROH SHIBAOKA, Editor,
*Tokyo Metropolitan University,
Fukazawa, Setagaya-ku,
Tokyo 158*

TETSUO IINO (*Tokyo*)

TETSUO KOYAMA (*New York*)

TOSHIRO SAEKI (*Tokyo*)

TSUNEO TAKEMARU (*Okayama*)

MICHIO ITO (*Nagoya*)

SYO KUROKAWA (*Tokyo*)

KENGO SOMA (*Tokyo*)

ATSUSHI TAKIMOTO (*Kyoto*)

SHUNJI WADA (*Sendai*)

THE BOTANICAL SOCIETY OF JAPAN

CONTENTS

THE BOTANICAL MAGAZINE, TOKYO

Vol. 89

No. 1013 (March 1976)

YOKOI, Y.: Growth and Reproduction in Higher Plants I. Theoretical Analysis by Mathematical Models	1
YOKOI, Y.: Growth and Reproduction in Higher Plants II. Analytical Study of Growth and Reproduction of <i>Erythronium japonicum</i>	15
SUGIYAMA, M.: Comparative Studies of the Vascular System of Node-Leaf Continuum in Woody Ranales I. Diversity in Successive Nodes of First-Year Plants of <i>Magnolia virginiana</i> L.	33
YAZAKI, Y.: Co-Pigmentation and the Color Change with Age in Petals of <i>Fuchsia hybrida</i>	45
SUZUKI, M.: Some Fossil Woods from the Palaeogene of Northern Kyushu	59

No. 1014 (June 1976)

NISHINARI, N. AND T. YAMAKI: Relationship between Cell Division and Endogenous Auxin in Synchronously-Cultured Tobacco Cells	73
ARAKI, H., S. HIDAKA AND S. TAKAHASHI: Cytogenetics of the <i>Scilla scilloides</i> Complex VI. The Structures of Natural Populations	83
IWANAGA, M. AND Y. MOMOTANI: Inter- and Intrapopulational Variations in the Peroxidase Isozyme of <i>Asarum nipponicum</i> F. Maekawa	93
TATEOKA, T.: Chromosome Numbers of the Genus <i>Calamagrostis</i> in Japan	99
OOHATA, A.: Changes in β -Galactosidase Activity during Differentiation and Dedifferentiation in <i>Dictyostelium discoideum</i>	115
ICHIMURA, T. AND M.M. WATANABE: Biosystematic Studies of the <i>Closterium peracerosum-strigosum-littorale</i> Complex I. Morphological Variation among the Inbreeding Populations and an Experimental Demonstration for Source of the Cell Size Variation	123
MINAMIKAWA, T.: A Comparative Study on the Metabolism of Quinic and Shikimic Acids in Plants	141

No. 1015 (September 1976)

UTECH, F.H. AND S. KAWANO: Biosystematic Studies on <i>Maianthemum</i> (Liliaceae-Polygonatae). VIII. Floral Anatomy of <i>M. dilatatum</i> , <i>M. bifolium</i> and <i>M. canadense</i>	145
UTECH, F.H. AND S. KAWANO: Biosystematic Studies on <i>Disporum</i> (Liliaceae-Polygonatae). III. Floral Biology of <i>D. sessile</i> D. Don and <i>D. smilacinum</i> A. Gray from Japan ..	159
UTECH, F.H. AND S. KAWANO: Floral Vascular Anatomy of <i>Convallaria majalis</i> L. and <i>C. keiskei</i> Miq. (Liliaceae-Convallariinae)	173
INOUE, Y.: Presence of Cytochrome <i>d</i> in Respiratory Particles of <i>Streptomyces griseus</i> and its Function in the Terminal Oxidation System	183
NISHINO, E.: Developmental Anatomy of Foliage Leaves, Bracts, Calyx and Corolla in <i>Pharbitis nil</i>	191
NAKAMURA, S.J.: Atmospheric Conditions Required for the Growth of <i>Galeola septentrionalis</i> Seedlings	211

NAKAI, Y.: Isozyme Variations in <i>Aegilops</i> and <i>Triticum</i> III. Chromosomal Basis of the Esterase Isozyme Production in Different Organs of Chinese Spring Wheat	219
ST. JOHN, H.: A Plant Collection from Niue Island by Jensen in 1876 Pacific Plant Studies 29	235
YUKAWA, I. AND A. TAKIMOTO: Flowering Response of <i>Lemna paucicostata</i> in Japan	241

No. 1016 (December 1976)

ISHIKURA, N.: Seasonal Changes in Contents of Phenolic Compounds and Sugar in <i>Rhus</i> , <i>Euonymus</i> and <i>Acer</i> Leaves with Special Reference to Anthocyanin Formation in Autumn	251
OHIWA, T.: Observations on Chloroplast Growth and Pyrenoid Formation in <i>Spirogyra</i> . A Study by Means of Uncoiled Picture of Chloroplast	259
OHIWA, T., M. TAZAWA AND N. KAMIYA: Spiral Cell Wall Growth in Zygnemataceae	267
WIDÉN, C.-J., J. SARVELA AND K. IWATSUKI: Chemotaxonomic Studies on <i>Arachniodes</i> (Dryopteridaceae) I. Phloroglucinol Derivatives of Japanese Species	277
ITOH, T. AND K. SHIMAJI: Orientation of Microfibrils and Microtubules in Cortical Parenchyma Cells of Poplar during Elongation Growth	291
YAMASAKI, S. AND T. SAEKI: Oxygen Supply from Shoots to Roots Relative to the Total Oxygen Consumption in Rice Roots	309

AUTHOR INDEX

THE BOTANICAL MAGAZINE, TOKYO

Vol. 89

ARAKI, H.	83	SAEKI, T.	309
HIDAKA, S.	83	SARVELA, J.	277
ICHIMURA, T.	123	SHIMAJI, K.	291
INOUE, Y.	183	ST. JOHN, H.	235
ISHIKURA, N.	251	SUGIYAMA, M.	33
ITOH, T.	291	SUZUKI, M.	59
IWANAGA, M.	93	TAKAHASHI, S.	83
IWATSUKI, K.	277	TAKIMOTO, A.	241
KAMIYA, N.	267	TATEOKA, T.	99
KAWANO, S.	145, 159, 173	TAZAWA, M.	267
MINAMIKAWA, T.	141	UTECH, F.H.	145, 159, 173
MOMOTANI, Y.	93	WATANABE, M.M.	123
NAKAI, Y.	219	WIDÉN, C.-J.	277
NAKAMURA, S.J.	211	YAMAKI, T.	73
NISHINARI, N.	73	YAMASAKI, S.	309
NISHINO, E.	191	YAZAKI, Y.	45
OHIWA, T.	259, 267	YOKOI, Y.	1, 15
OOHATA, A.	115	YUKAWA, I.	241

